



...making a world
of difference !



ABOUT US

Adam Associates was established in 1983 and has 40 years of experience in the Air Compressor industry. It is an innovative enterprise involved in trade, service and recently in the production of compressors. Our Joint Venture manufacturing facility has a strong technical team with advanced manufacturing equipment and testing devices. We are committed to an ISO9001 quality management system producing the highest standards and best quality products to the market.

Adam has designed a range of variable speed oil - injected screw air compressors for single - stage and double - stage with the best efficiency permanent magnet motor embedded with Thermister Protection for the safety of the motor. Energy savings is one of the prime objectives of industries and it is achieved with Adam Double Stage VFD compressors with a return on investment in less than two years time.

SPARES AND CONSUMABLES

We supply Original Equipment Manufacturer (OEM) Spare for all leading brands of air compressors in the market.

With our vast experience in the market, we are proud to provide ADAM Brand spares that are at par with any branded spares & consumables but at a fraction of its cost

RENTALS

One of the largest rentals fleets of compressors in the industry ranging from 7.5kw to 160kw.

- Accessories like Air Dryers and Air Receivers available on rent.
- Stocks are maintained at Chennai, Coimbatore and Bengaluru Warehouses to address customer's need at different locations
- The dedicated rental team ensures seamless service from consulting to installation to ensure a hassle-free rental experience
- Over several hundreds of satisfied customers spanning across multiple industries in South India.

AIR COMPRESSOR SERVICE, MAINTENANCE & REPAIRS

- A team of more than 30 Service Engineers spread across the major and minor industrial areas of Tamil Nadu and Bengaluru.
- Well-stocked warehouses to cater to customers' requirements on an immediate basis.
- Well-Stocked Service Vans to ensure access to spares & consumables at the job site.
- Exclusive service centre to service Airends of any capacity and any brands.



Single Stage Screw Compressors



HIGH EFFICIENT AIREND

The High output Airend with slow rotational speed increases the life and reduces energy cost. This design reduces pressure losses and increased efficiencies. The rotors ensure energy-efficient compressed air supply for all demanding applications.



COOLER FEATURES

We use larger size air and oil coolers with forced air cooling for better heat dissipation. Removing heat is extremely important for the reliability and longevity of your compressor. Excessive heat will break down the oil in the compressor and reduce the oil's ability to protect the system's moving parts.



INTAKE VALVE ASSEMBLY

The intake valve with integrated blow down unit, solenoid controls is designed for low losses. Intake valve optimally controls the compressor capacity during start up reducing the no-load power. This optimal capacity control results in direct savings on power consumption



HIGH PERFORMANCE SEPARATOR

High performance separator produces less than 3ppm of oil carry over, with lower pressure loss than other brands.

Air/Oil separation is the final stage in the oil separation process in a lubricated screw compressor, it's function is to remove the oil from the compressed air & return it back to the air end.



VARIABLE SPEED DRIVE

Matches compressor output with demand by varying motor speed. The power consumption reduces in line with the reduction in demand.

This helps in eliminating the frequent load-unload cycle and also brings down the starting current, thus resulting in huge power savings.



CONTROLLER FEATURES

- 7 inch touch screen controller.
- Support real time power consumption and accumulative power consumption measurement.
- Captures all user parameters, safety trips, alarm functions, Protection from High Discharge Temperature, Anti-Reverse Rotation, Sensor Fault, single phase prevention and other safety features enabled.



ADAM PREMIUM - FIXED SPEED SINGLE STAGE

COMPRESSOR MODEL	NOMINAL PRESSURE (BAR - G)	CFM	NOMINAL PRESSURE (BAR - G)	CFM	DRIVE MOTOR (KW)	NOISE DB(A)	WEIGHT (KG)	DIMENSION LxWxH (mm)	OUTLET DIAMETER
AD 11	7.5	64	10	49	11	65	320	1150*750*960	G3 / 4
AD 15	7.5	85	10	74	15	65	340	1150*750*960	G3 / 4
AD 18	7.5	106	10	95	18	68	340	1200*950*1250	G1
AD 22	7.5	126	10	94	22	68	430	1350*850*1120	G1
AD 30	7.5	177	10	152	30	68	600	1500*1000*1350	G1
AD 37	7.5	225	10	200	37	69	650	1500*1000*1350	G1 1/2

ADAM PREMIUM - VARIABLE SPEED DRIVE

COMPRESSOR MODEL	NOMINAL PRESSURE (BAR - G)	CFM	NOMINAL PRESSURE (BAR - G)	CFM	DRIVE MOTOR (KW)	NOISE DB(A)	WEIGHT (KG)	DIMENSION LxWxH (mm)	OUTLET DIAMETER
AD 11 VFD	7.5	64	10	49	11	65	320	1150*750*960	G3 / 4
AD 15 VFD	7.5	85	10	74	15	65	340	1150*750*960	G3 / 4
AD18 VFD	7.5	106	10	95	18	68	340	1200*950*1250	G1
AD 22 VFD	7.5	126	10	94	22	68	430	1350*850*1120	G1
AD 30 VFD	7.5	177	10	152	30	68	600	1500*1000*1350	G1
AD 37 VFD	7.5	225	10	200	37	69	650	1500*1000*1350	G1 1/2

ADAM ULTRA PREMIUM - VARIABLE SPEED DRIVE

COMPRESSOR MODEL VFD	NOMINAL PRESSURE (BAR - G)	CFM	NOMINAL PRESSURE (BAR - G)	CFM	DRIVE MOTOR (KW)	NOISE DB(A)	WEIGHT (KG)	DIMENSION LxWxH (mm)	OUTLET DIAMETER
AD 11 +	7.5	64	10	52	11	65	320	1150*750*960	G3 / 4
AD 15 +	7.5	90	10	74	15	65	340	1150*750*960	G3 / 4
AD 18 +	7.5	110	10	95	18	68	340	1200*950*1250	G1
AD 22 +	7.5	126	10	105	22	68	430	1350*850*1120	G1
AD 30 +	7.5	200	-	-	30	68	600	1500*1000*1350	G1
AD 37 +	7.5	238	10	211	37	69	650	1500*1000*1350	G1 1/2

HIGH PRESSURE FOR LASER APPLICATION - VFD

COMPRESSOR MODEL	NOMINAL PRESSURE (BAR - G)	CFM	DRIVE MOTOR (KW)	NOISE DB(A)	WEIGHT (KG)	DIMENSION LxWxH (mm)	OUTLET DIAMETER
AD15HP	16	43	15	65	340	1150*750*960	G 3/4
AD22HP	16	80	22	65	430	1350*850*1120	G1
AD15SP	20	33	15	65	340	1150*750*960	G 3/4
AD22SP	20	68	22	65	430	1350*850*1120	G1

Note:

- Due to continuous improvements, the specifications are subject to change without prior notice.
- Product images displayed in this brochure are only representative and may not exactly match the actual product



Double Stage Screw Compressors

HIGH EFFICIENT AIREND

A two-stage rotary screw air compressor contains two sets of synchronized rotors that are housed in shared stator housing with one set underneath the other, end to end design.

A two stage compressor produces 12% to 15% more volume than a single stage compressor thus resulting in higher energy savings.



HIGH PERFORMANCE SEPARATOR

High efficiency oil filtration system in which oil is separated by Centrifugal force and achieved a minimal oil carry over of less than 2PPM.



INTAKE VALVE ASSEMBLY

The intake valve is assembled on the air end's intake and it controls the air intake of the compressor.

The Intake valve closes when the desired pressure is reached. It optimally controls the compressor capacity during start up reducing the no-load power, which results in direct savings on power.



PERMANENT MAGNETIC MOTOR

Permanent magnet motor are simple in structure, small in size and with efficiency more than 96%. PM motor generates a significant improvement in torque when compared to standard synchronous motors.





Double Stage Screw Compressors



COOLER FEATURES

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CONTROLLER FEATURES

- 7 inch touch screen controller
- Support real time power consumption and accumulative power consumption measurement
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VARIABLE SPEED DRIVE

Matches compressor output with demand by varying motor speed. The power consumption reduces in line with the reduction in demand.

This helps in eliminating the frequent load-unload cycle and also brings down the starting current, thus resulting in huge power savings.

5.5 BAR DOUBLE STAGE PERMANENT MAGNET SCREW AIR COMPRESSOR

COMPRESSOR MODEL	NOMINAL PRESSURE (BAR - G)	CFM	DRIVE MOTOR (KW)	WEIGHT (KG)	DIMENSION LxWxH (mm)
AD (MAXIMA) - L 45	5.5	420	45	1650	2110*1420*1650
AD (MAXIMA) - L 75	5.5	642	75	2200	2420*1530*1720
AD (MAXIMA) - L 75	5.5	667	75	2700	2420*1530*1720
AD (MAXIMA) - L 90	5.5	814	90	2700	2820*1720*1950
AD (MAXIMA) - L 110	5.5	1000	110	3200	2820*1720*1950
AD (MAXIMA) - L 132	5.5	1264	132	3600	2820*1720*1950
AD (MAXIMA) - L 160	5.5	1447	160	4400	3350*1900*1950
AD (MAXIMA) - L 185	5.5	1624	185	5500	3800*2250*2350
AD (MAXIMA) - L 200	5.5	1836	200	-	3800*2250*2350
AD (MAXIMA) - L 250	5.5	2140	250	-	4250*2600*2750

7.5 BAR DOUBLE STAGE PERMANENT MAGNET SCREW AIR COMPRESSOR

COMPRESSOR MODEL	NOMINAL PRESSURE (BAR - G)	CFM	DRIVE MOTOR (KW)	WEIGHT (KG)	DIMENSION LxWxH (mm)
AD (MAXIMA)- 22	7.5	141	22	600	1500*1000*1350
AD (MAXIMA)- 30	7.5	198	30	780	1500*1000*1350
AD (MAXIMA)- 37	7.5	229	37	850	1500*1000*1350
AD (MAXIMA)- 45	7.5	331	45	1600	2110*1420*1650
AD (MAXIMA)- 55	7.5	431	55	1800	2450*1800*1770
AD(MAXIMA)- 75	7.5	560	75	2080	2420*1530*1720
AD(MAXIMA) -90	7.5	723	90	2200	2420*1530*1720
AD(MAXIMA)- 110	7.5	905	110	2900	2650*1600*1850
AD(MAXIMA)- 132	7.5	1055	132	4200	3350*1900*1950
AD(MAXIMA) -160	7.5	1288	160	4250	3350*1900*1950
AD(MAXIMA) -200	7.5	1571	200	4600	3350*1900*1950
AD(MAXIMA) -250	7.5	1951	250	5850	3700*2060*2150

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